

IN THE CLAIMS:

1. (Currently Amended) A solid electrolyte cell comprising:  
a positive electrode having a positive electrode current collector and a positive electrode active material;  
a negative electrode having a negative electrode current collector and a negative electrode active material; and  
a solid electrolyte comprising a first solid electrolyte layer and a second solid electrolyte layer ~~comprised an electrolyte salt dispersed in a matrix polymer, said solid electrolyte being arranged between said positive electrode and the negative electrode 10;~~ <sup>OK</sup>  
wherein;  
a diene compound is contained in at least one each of the positive electrode, negative electrode and the solid electrolyte comprises a diene compound, and  
said diene compound contained in the solid electrolyte is not less than 75% of the total content thereof is in a range of 0.0001 mol to 0.0005 mol per one gram of the positive electrode active material.
2. (Original) The solid electrolyte cell according to claim 1 wherein said diene compound is 1, 4-cyclohexadiene.
3. CANCELLED
4. CANCELLED
5. (Currently Amended) The solid electrolyte cell according to claim 1 wherein  
the a solid electrolyte cell comprising: a solid electrolyte made up of at least two layers,  
namely a first solid electrolyte layer is formed on the side positive electrode and a the second  
solid electrolyte layer is formed on the side negative electrode; and  
wherein the amount of said diene compound contained in said first solid electrolyte  
layer being not less than 75% of the total content thereof and  
wherein the diene compound contained in the solid electrolyte is contained in the first  
electrolyte layer.

6. (Currently Amended) The solid electrolyte cell according to claim 1 wherein said solid electrolyte contains a non-aqueous solvent ~~and is in a gelated state~~.

7. (Original) The solid electrolyte cell according to claim 1 wherein said matrix polymer is selected from the group consisting of polyethylene oxide, polypropylene oxide, polytetrafluoroethylene, polyvinylidene fluoride, polyvinylidene chloride, polymethacrylic acid, polyacrylic amide, polycarbonate, polysulfone and polyethersulfone.

8. (Currently Amended) The solid electrolyte cell according to claim + 14 wherein said electrolyte salt is selected from the group consisting of LiPF<sub>6</sub>, LiClO<sub>4</sub>, LiCF<sub>3</sub>SO<sub>3</sub>, LiCF<sub>3</sub>SO<sub>3</sub>, LiAsF<sub>6</sub>, LiBF<sub>4</sub>, LiN(CF<sub>3</sub>SO<sub>3</sub>)<sub>2</sub>, C<sub>4</sub>F<sub>9</sub>SO<sub>3</sub>Li, LiC(CF<sub>3</sub>SO<sub>2</sub>)<sub>3</sub>, LiF, and LiBr.

9. (Once Amended) The solid electrolyte cell according to claim 6 wherein said non-aqueous solvent is selected from the group consisting of ethylene carbonate, propylene carbonate, gamma-butyrolactone, acetonitrile, diethylether, diethylene carbonate, dimethyl carbonate, 1, 2- dimethoxyethane, dimethyl sulfoxide, 1, 3-dioxolan, methyl sulfonate, 2-methyltetrahydrofuran, tetrahydrofuran, sulforan, 2, 4-difluoroanisole and vinylene carbonate.

10. (Original) The solid electrolyte cell according to claim 1 wherein said positive and negative electrodes are layered and coiled together with interposition of said electrolyte.

11. (Original) The solid electrolyte cell according to claim 1 wherein said positive and negative electrodes are layered and stacked together with interposition of said electrolyte.

12. (Original) The solid electrolyte cell according to claim 1 wherein a separator is arranged between said positive and negative electrodes.

13. CANCELLED

14. (New) A solid electrolyte cell according to claim 1, wherein said solid electrolyte comprises an electrolyte salt dispersed in a matrix polymer and is arranged between said positive electrode and the negative electrode.